

# Product Datasheet

## IFIT2 Antibody - BSA Free NBP1-31164

Unit Size: 100 ul

Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

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**NBP1-31164**

IFIT2 Antibody - BSA Free

Product Information	
<b>Unit Size</b>	100 ul
<b>Concentration</b>	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
<b>Storage</b>	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
<b>Clonality</b>	Polyclonal
<b>Preservative</b>	0.01% Thimerosal
<b>Isotype</b>	IgG
<b>Purity</b>	Antigen Affinity-purified
<b>Buffer</b>	0.1M Tris, 0.1M Glycine, 10% Glycerol
<b>Target Molecular Weight</b>	55 kDa

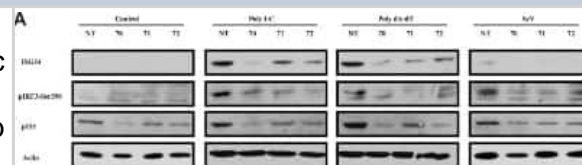
Product Description	
<b>Description</b>	Novus Biologicals Rabbit IFIT2 Antibody - BSA Free (NBP1-31164) is a polyclonal antibody validated for use in WB and ICC/IF. Anti-IFIT2 Antibody: Cited in 5 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
<b>Host</b>	Rabbit
<b>Gene ID</b>	3433
<b>Gene Symbol</b>	IFIT2
<b>Species</b>	Human
<b>Immunogen</b>	Carrier-protein conjugated synthetic peptide encompassing a sequence within the N-terminus region of human IFIT2. The exact sequence is proprietary.

Product Application Details	
<b>Applications</b>	Western Blot, Immunocytochemistry/ Immunofluorescence
<b>Recommended Dilutions</b>	Western Blot 1:500-1:3000, Immunocytochemistry/ Immunofluorescence 1:100-1:1000

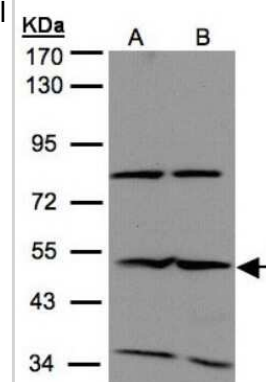


## Images

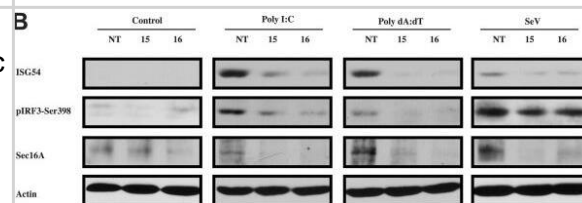
Western Blot: IFIT2 Antibody [NBP1-31164] - p115 and Sec16A are required for optimal IRF-3 activation in response to activation of cytosolic RNA and DNA sensors. HeLa cells were infected with lentiviral vectors encoding shRNA targeting p115. Image collected and cropped by CiteAb from the following publication (<https://doi.org/10.1371/journal.ppat.1002747>) licensed under a CC-BY license.



Western Blot: IFIT2 Antibody [NBP1-31164] - Sample (30 ug of whole cell lysate) A: A431 B: Hep G2 7.5% SDS PAGE, antibody diluted at 1:1000.



Western Blot: IFIT2 Antibody [NBP1-31164] - p115 & Sec16A are required for optimal IRF-3 activation in response to activation of cytosolic RNA & DNA sensors. HeLa cells were infected with lentiviral vectors encoding shRNA targeting p115 (A) or Sec16A (B) & non-targeting (NT) control shRNA for 24 h followed by puromycin selection (1.5  $\mu$ g/ml) for 5 days. Cells were left untreated or stimulated with poly I:C (1  $\mu$ g/ml), poly dA:dT (1  $\mu$ g/ml) or SeV (200 HAU/ml) for 16 h. Whole-cell lysates were prepared & subjected to immunoblot analysis with indicated antibodies. One of two independent experiments with similar results is shown. Image collected & cropped by CiteAb from the following publication (<https://pubmed.ncbi.nlm.nih.gov/22792062>), licensed under a CC-BY license. Not internally tested by Novus Biologicals.

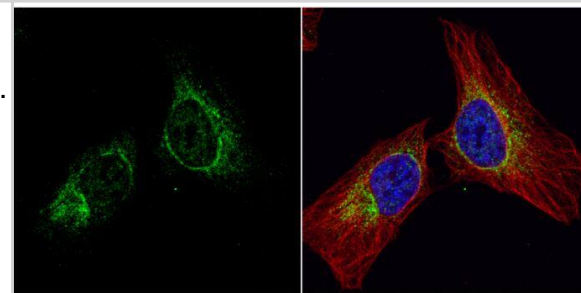


IFIT2 antibody [N1], N-term detects IFIT2 protein at endoplasmic reticulum by immunofluorescent analysis. Sample: HeLa cells were fixed in 4% paraformaldehyde at RT for 15 min.

Green: IFIT2 protein stained by IFIT2 antibody [N1], N-term (NBP1-31164) diluted at 1:200.

Red: alpha Tubulin, a cytoskeleton marker, stained by alpha Tubulin antibody [B-5-1-2] diluted at 1:10000.

Blue: Hoechst 33342 staining.



**Publications**

Rex EA, Seo D, Chappidi S, Pinkham C et Al. FEAR antiviral response pathway is independent of interferons and countered by poxvirus proteins Nat Microbiol 2024-03-28 [PMID: 38538832]

Khowal S, Monga S, Naqvi S et al. Molecular winnowing, expressional analyses and interactome scrutiny of cellular proteomes of oral squamous cell carcinoma Advances in Cancer Biology - Metastasis 2021-10-01

Khan KA TRK-Fused Gene (TFG), a protein involved in protein secretion pathways, is an essential component of the antiviral innate immune response PloS Pathog 2021-01-07 [PMID: 33411856] (WB, WB, Human)

Khan KA, Do F, Marineau A et al. Fine-Tuning of the RIG-I-Like Receptor/Interferon Regulatory Factor 3-Dependent Antiviral Innate Immune Response by the Glycogen Synthase Kinase 3/beta-Catenin Pathway. Mol Cell Biol 2015-09-01 [PMID: 26100021]

Baril M, Es-Saad S, Chatel-Chaix L et al. Genome-wide RNAi Screen Reveals a New Role of a WNT/CTNNB1 Signaling Pathway as Negative Regulator of Virus-induced Innate Immune Responses. PLoS Pathog 2013-06-01 [PMID: 23785285] (WB, Human)

van Zuylen WJ, Doyon P, Clement JF et al. Proteomic profiling of the TRAF3 interactome network reveals a new role for the ER-to-Golgi transport compartments in innate immunity. PLoS Pathog 2012-01-01 [PMID: 22792062] (WB, Human)





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### **Products Related to NBP1-31164**

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NBP2-33376H	Blue Marker Antibody (6F4-F6) [HRP]
HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control

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### **Limitations**

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

For more information on our 100% guarantee, please visit [www.novusbio.com/guarantee](http://www.novusbio.com/guarantee)

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